

THE UNIVERSITY OF TENNESSEE

BULLETIN

REGISTER 1917-1918

ANNOUNCEMENT 1918-1919

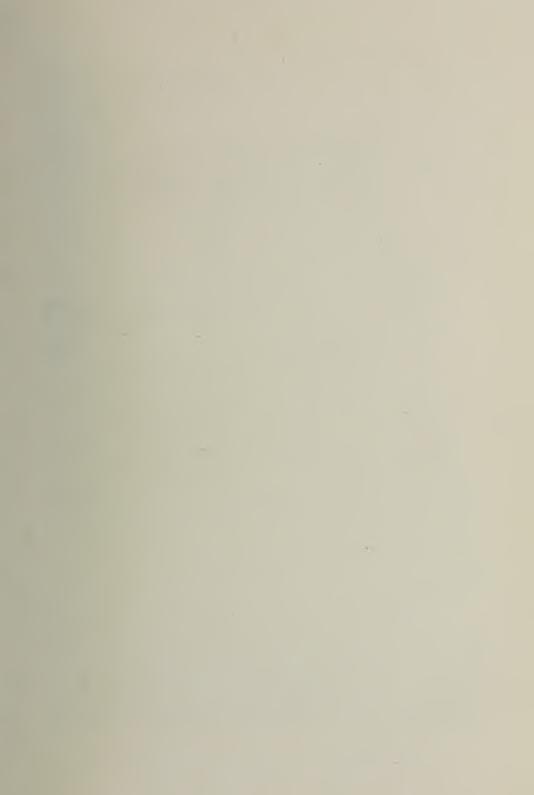


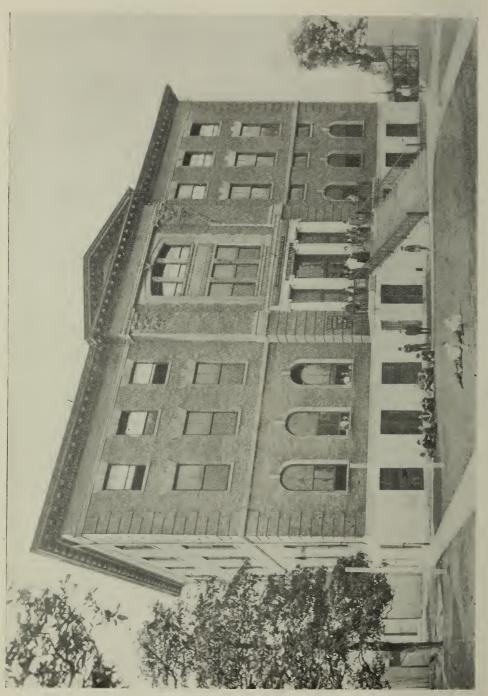
COLLEGE OF DENTISTRY

MEMPHIS, TENNESSEE

Entered as second-class matter August 7, 1909, at the postoffice, Nechville, Tenn., under the act of July 16, 1894. Re-entry at Memphis, Tenn., August, 1911, under present title







UNIVERSITY OF TENNESSEE

BULLETIN

COLLEGE OF DENTISTRY

MEMPHIS, TENNESSEE

FORTY-FIRST SESSION, 1918-1919 WILL OPEN OCTOBER 1, 1918, AND CLOSE JUNE 4, 1919.

THE UNIVERSITY OF TENNESSEE BULLETIN

Vol. IX. No. 1.

CALEND	1919			
JANUARY	JANUARY			
S. M. T. W. T. F. S.	S. M. T. W. T. F. S.	S. M. T. W. T. F. S.		
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		
FEBRUARY	AUGUST	FEBRUARY		
3 4 5 6 7 8 9 4 5 6 7 8 9 10 12 2 3 4 5 6 7 10 11 12 13 14 15 16 11 12 13 14 15 16 17 17 18 19 20 21 22 23 24 24 25 26 27 28 29 30 31 23 24 25 26 27 28 29 30 31 23 24 25 26 27 28 28				
MARCH	SEPTEMBER	MARCH		
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 ₈₁ 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 20 24 31 25 26 27 28 29		
APRIL	OCTOBER	APRIL		
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		
MAY	NOVEMBER	MAY		
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 29 21 22 23 24 25 26 27 28 29 30 31		
JUNE	JUNE			
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 28 20 24 25 26 27 28 29	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		

SPECIAL CALENDAR

1918

Sept. 28-Oct, IFreshman Matriculation.
Oct. 2, Wednesday (8 a.m.)Freshman exercises begin as scheduled.
Sept. 30-Oct. I
Sept. 30-Oct. 1
Oct. 5, Saturday (6 p.m.)Registration ceases except on payment of extra fee of \$2.
Oct. 1, Tuesday (8 a.m.)Junior and Senior exercises begin as scheduled.
Oct. 10, Thursday (6 p.m.) Matriculation of Freshmen ceases.
Oct. 10, Thursday (6 p.m.) Registration of Juniors and Seniors ceases.
Nov. 28, ThursdayThanksgiving Day (holiday).
Dec. 21, Saturday (6 p.m.)Christmas recess begins.
1919
Jan. 6, Monday (8 a.m.)Regular exercises resumed.
Jan. 25, SaturdayFirst Semester ends.
Jan. 27-Feb. I Examination period.
Feb. 3, MondaySecond Semester begins.
Feb. 22, SaturdayWashington's Birthday (holiday).
May 24, SaturdaySecond Semester ends.
May 26-31 Examination period.
June 4, WednesdayCommencement exercises.

OFFICERS OF ADMINISTRATION AND INSTRUCTION

FACULTY PROPER

Brown Ayres, Ph.D., LL.D., D.C.L., President of the University.

JOSEPH ARCHIBALD GARDNER, D.D.S., Dean, Professor of Crown and Bridge.

DAVID MAHLON CATTELL, A.M., D.D.S., Registrar, Professor of Dental Anatomy, Operative Dentistry, Exodontia, General Superintendent of Clinic, and Instructor in Operative Technics.

JUSTIN DEWEY TOWNER, D.D.S., Professor of Mouth Hygiene and Prophylaxis.

WILLIAM ETHELRED LUNDY, D.D.S., Professor of Orthodontia.

CLARENCE JACKSON WASHINGTON, B.S., D.D.S., Professor of Dental Pathology and Therapeutics.

ELBERT WOODSON TAYLOR, D.D.S., Professor of Prosthetic Dentistry.

RAYMOND MANOGUE, B.A., B.L., Professor of Dental Jurisprudence.

MAXIMILIAN GOLTMAN, AD EUNDEM, C.M., M.D., F.A.C.S., Professor of General and Oral Surgery.

A. Hermsmeier Wittenborg, a.B., M.D., Professor of Anatomy, Histology, and Embryology.

WILLIAM KRAUSS, Professor of Pathology and Bacteriology.

THOMAS P. NASH, JR., A.M., Professor of Chemistry.

James Harrold Collins, A.M., M.D., Professor of Physiology.

Dadid Samuel Gardner, d.d.s., Professor of Dental Pediatrics.

Orren Williams Hyman, A.M., Assistant Professor of Histology and Embryology and Instructor in Biology.

James Frank Bigger, B.S., D.D.S., Professor in Materia Medica and Therapeutics.

JOHN JONES OGDEN, D.D.S., Assistant Professor of Anesthesia and Exodontia; Assistant in Oral Surgery.

ASSOCIATE FACULTY

D. M. CATTELL, A.M., D.D.S., Lecturer on Dental History.

GEORGE GILLESPIE BUFORD, M.D., Lecturer on Nerve Pathology in Relation to Mouth Disorders.

RICHMOND McKinney, A.M., M.D., Lecturer on Nose and Throat Pathology in Relation to Dental Deformities.

STANDING COMMITTEES OF THE FACULTY OF DENTISTRY

EXECUTIVE COMMITTEE

The Dean, Chairman; Washington, Manogue.

COMMITTEE ON ADMISSION AND CURRICULUM
COMMITTEE ON CATALOGUE AND PUBLICITY
COMMITTEE ON CLINICAL INSTRUCTION
COMMITTEE ON PROMOTION, GRADUATION AND HONORS
COMMITTEE ON STUDENTS

The Dean is ex-officio a member of all standing committees.

THE COLLEGE OF DENTISTRY

HISTORICAL SKETCH

The College of Dentistry of the University of Tennessee was founded in Nashville in 1878 and is, therefore, the pioneer dental school of the Southwest. The work of this College was conducted in Nashville until 1911, when the Trustees of the University determined to take advantage of the superior clinical facilities of Memphis by removing to that point its Colleges of Dentistry and Medicine.

At the same time a union was effected between this College and the College of Dental Surgery of the University of Memphis by which the equipment and faculties of the two schools were merged in the interest of increased efficiency.

The remarkable recent progress of the science and art of Dental Surgery and its recognition as a specialty of medicine have rendered it necessary to increase the facilities by which the student of dentistry may obtain instruction in the fundamental subjects which underlie all medical science as well as in the more specialized branches. On account of its relationship with the College of Medicine of the University of Tennessee, the College of Dentistry is particularly well equipped in this respect, being able thus to secure the teaching services of full time expert teachers in these fundamental subjects.

The aim of this College is to provide its students with thorough instruction in the fundamental sciences, accurate demonstration and practice of laboratory technique, and, finally, the application of both of these in large numbers of clinical cases. The success which has attended its graduates is sufficient witness of the fidelity with which it adheres to this purpose.

LOCATION AND SURROUNDINGS

The College of Dentistry and Medicine and the School of Pharmacy of the University of Tennessee have been located in Memphis on account of the superior clinical facilities and other advantages afforded there. Memphis is the metropolis of Tennessee and the commercial center of three states. It is rapidly becoming an important educational center as well, being the seat of the three UnFiversity departments mentioned, of the West Tennessee Normal School, one of the best public school systems in the South, and numerous private institutions. The Cossett and Goodwin Institute Libraries are readily accessible to students and to the general public.

The mild weather of the fall, winter and spring months renders the climate distinctly favorable to health. This factor, combined with an unusually good system of streets, sewage and water supply, places the city among those with the lowest resident death rate in the United States. The extensive system of parks and boulevards is a further contribution to the health of the community as well as to the beauty of the surroundings,

in affording opportunities for out-of-doors recreation. Forest park, situated less than one block from Rogers Hall, thus virtually serves as a campus of the University.

THE DENTAL BUILDING (ROGERS HALL)

is situated at the intersection of Union and Marshall Avenues, just west of Forrest Park. The laboratories are on the first floor, well lighted by east, south, and west exposure. The freshman and junior technic laboratories are ample in size, comfortable in arrangement, and well equipped. Each laboratory has an instructor's room adjoining for the preparation of models, casts, etc., and the storing of the technic pieces produced by the student. The senior laboratory is conveniently situated just at the foot of the stairway leading from the operatory. This laboratory is equipped with modern blowpipes, compressed air, casting machines (from the Taggart to the mud bucket), electric lathes, vulcanizers, hot water, etc. The impression room is adjoining and convenient. The extracting room is also on this floor. It is amply lighted and furnished with all necessary instruments and conveniences that can be suggested for use in minor surgery; aseptic white enameled steel cabinet for holding such equipment; sterilizers; the latest improved nitrous oxide and oxygen outfit for administration of gas.

The clinical operatory on the second floor, with its large windows, allowing the light to enter unobstructed from the south and west, is fitted up with all the modern improvements known to the dental college world. Leather upholstered Columbia chairs, with bracket operating tables attached, a Clark "reservoir" cuspidor, and a white enameled pressed steel instrument cabinet is a part of the equipment for each chair. This room has high ceiling, and is airy, light and comfortable.

While Rogers Hall, the home of the Dental Department, is situated just on the border of a great industrial section of the city, yet its actual location is on the beautiful Union Boulevard. Forrest Park, within a stone's throw, is an ideal, shady and restful place. Three blocks away is the East University campus, on which are situated the medical and pharmacy buildings and the Baptist Memorial Hospital.

On the third floor the Chemical and Histological laboratories are situated, also a large classroom. The fourth floor is devoted entirely to Anatomy. The Anatomical laboratory is one of the best equipped and best lighted known to the medical or dental world. The Anatomical Museum and Library are also on this floor.

THE DENTAL CLINIC

There is no lack of patients in this city, either for the common operations of every-day practice or for surgical operations. Many of the surgical clinics of the several hospitals are open to our students. Many cases of fractured jaw are sent to us from the hospitals. Often seniors perform twice the number of operations required. And the requirements are not small.

GENERAL REGULATIONS*

REQUIREMENTS FOR ADMISSION

All candidates for matriculation in the College of Dentistry are required to present a certificate of preliminary education from the State Superintendent of Education or his authorized representative.

Satisfactory evidence upon which such a certificate may be issued is as follows:

- (1) The diploma of an accredited high school; or,
- (2) Evidence of admission to the freshman class of a recognized college; or,
- (3) Certificates of credits from a recognized high school in the subjects acceptable for admission to the College of Liberal Arts equivalent to 15 units as evaluated by the Dean of the College of Liberal Arts or his representative; of these, 3 units must be in English and not more than 3 in vocational subjects; or,
- (4) The results of an examination propounded by the State Superintendent of Education (or his duly authorized representative) in high school courses selected by the applicant equivalent to 15 units.

A fee of two dollars is charged by the Examiner for issuing the required certificate. (Application blanks furnished.)

Admission to advanced standing. An applicant for time and subject credit in consideration of courses completed in other colleges of dentistry, must submit evidence duly certified by the proper authorities of:

- (a) Satisfaction, prior to entering this college, of the full requirement for admission in operation at the time of matriculation of the class which he seeks to enter.
- (b) Honorable dismissal from the last institution attended, including the satisfaction of all financial obligations.
- (c) Attendance and grades in all courses, pursued at the former institution.

Applicants who have filed the required evidence will be credited with such portions of the past work as may be satisfactory to the Dean of the College of Dentistry and the head of the department concerned.

Matriculated medical students will be excused from those courses of equivalent content for which they hold certificates satisfactory to the heads of the departments concerned. Graduates of recognized colleges of medicine will be given credit for one year's time.

^{*}Subject to change at the end of any session.

REGISTRATION AND ENROLLMENT

The routine of matriculation, registration and enrollment is as follows:

- (a) Approval by the Dean of application for matriculation.
- (b) Payment of required fees to the Bursar.
- (c) Registration by the Registrar.
- (d) Enrollment by the instructors in the several courses.

These requirements are to be satisfied in order, and no officer of the University is authorized to proceed without evidence that the preceding requirements have been satisfied.

Students will note particularly that no credit will be given for attendance upon classes prior to formal enrollment as provided. Seats and lockers are assigned in the order of completion of enrollment.

A'TTENDANCE

The regular work of the session commences Tuesday, October 1st, 1918, at 8 a.m. The courses are arranged to cover the entire time scheduled, and it is of first importance that students be in attendance upon the opening day. In every case enrollment must be completed within the first ten days of the session in order to obtain credit for the year's work. (In cases of sickness, attested to by the certificate of a regular physician, an extension of ten days more may be made.)

In any course the minimum of attendance for which credit is allowed is 85 per cent of the scheduled hours. The margin of 15 per cent is allowed to provide against serious illness or other unavoidable absence, and must never be approached except under such circumstances. Regular attendance upon all scheduled work is required, and absence without cause may debar a student from the final examination and credit for a course until he has completed such additional work as the Committee on Students may require.

The record of attendance is kept from the opening day and students who may be admitted at a later day will lose their attendance credit for the intervening period.

Students reporting after roll call and not later than fifteen minutes are marked tardy. For every three tardy marks an absence for one period is recorded. A period is one, two, or three hours scheduled for the day's work in any given subject.

DISCIPLINE

In the act of matriculation students agree to obey the rules of the College as contained in this Bulletin and as otherwise published. Each student is expected to inform himself in this regard and to be governed accordingly. The Executive Committee reserves the right to remove for cause and without recourse at any time during the session a student guilty of gross or repeated violation of the rules.

MARKING SYSTEM

Seventy-five per cent is given for work below the average, but still deserving a pass.

Sixty to 75 per cent represents a "condition"; work too poor to pass, but not deserving of absolute failure.

Below 60 per cent signifies entirely unsatisfactory work; if given as a final grade it implies the repetition of the course.

EXAMINATIONS

Regular examinations of the College of Dentistry will be held during the examination periods provided for in the special calendar, upon the days determined by the Committee on Examinations.*

Supplementary Examinations are held upon two days at the opening of each session. These examinations are for the benefit of those who for sickness or other good reason were absent from the regular examinations, for those who desire to enter with credit for work in other colleges for which certificates of credit are not accepted, and for the conditioned students of this college. Each person interested is expected to inform himself of the dates and to be governed accordingly. Conditioned students, in particular, will note carefully the provisions for the removal of conditions to be found in another section.

No special examinations will be held otherwise than as above provided except under extraordinary circumstances and by special action of the Committee on Examinations.

PROMOTION

The regular promotions from one class to another are made by the Committee on Promotion following the May examinations, and each student will receive written notice on his standing by June 30.

The general rules applying to promotion are as follows:

- 1. Students who have successfully completed all of the work for a given year will be promoted to the next higher year.
- 2. Students who pass 50 per cent or more of the scheduled hours of a year may be granted conditional promotion.

The granting of conditional promotion lies entirely in the discretion of the Committee on Promotion.

3. Students who fail to pass 50 per cent of the scheduled hours of a year are not promoted. Promotion with conditions will in no wise alter the requirements for the removal of conditions.

CLASSIFICATION

Students not promoted and students conditionally promoted but failing to satisfactorily pass off the conditions imposed will be enrolled in the

^{*}The Committee on Examinations is a sub-committee of the Committee on Entrance Requirements and Curriculum.

year's work in which they have failed. They may take such courses of the next higher year as the Committee on Promotion may approve, which do not conflict with the scheduled appointments of the courses which they are required to repeat. In all cases of students with mixed schedules, the courses of the lower year must be given precedence in any conflict of hours.

The repetition of a course requires attendance of at least 80 per cent, the performance of all practical and technical work, and the attainment of at least a P (pass) mark as a final grade.

Senior students must have removed all freshman conditions before the beginning of the first semester.

REQUIREMENTS FOR GRADUATION

In order to be admitted to the degree of Doctor of Dental Surgery an applicant must comply with the following conditions:

- I. He must be at least twenty-one years of age.
- 2. He must be of good moral character.
- 3. He must have presented evidence of preliminary training required by this institution.
- 4. He must have been in residence as a matriculated dental student in an acceptable dental college for at least four* annual sessions, of which at least the last must have been in this College.
- 5. He must have satisfactorily completed the required courses of study and have passed the examination thereon, and have completed all the technical, practical and clinical requirements to the entire satisfaction of the Faculty.
 - 6. He must have discharged all his financial obligations to the College.

CERTIFICATES OF HONOR.

With a view to encouraging students to individual effort in acquitting themselves creditably in their studies, and that they shall have tangible official evidence that they have thus satisfactorily pursued their studies, the Faculty will present to every graduate who attains an average of 95% or over on his senior examinations a certificate of honor.

Also, the names of those attaining an average of 90% on their senior examinations will be published in the Honor Roll.

FACULTY MEDAL

A gold medal, known as the "Faculty Medal," will be awarded to the member of the graduating class who makes the highest general average in the senior year. Only students who have taken the whole three years in this institution are eligible for the Faculty Medal.

^{*}For students who matriculated prior to January 1, 1917, the requirement is for three annual sessions.

FEES

Annual fees in the College of Dentistry are as follows:*

Freshman	Sophomore	Junior	Senior
Matriculation\$ 5.00			
Enrollment	\$ 5.00	\$ 5.00	\$ 5.00
Tuition (within the state) 150.00	150.00	150.00	175.00
Contingent Deposit** 10.00	10.00	10.00	10.00
-			
Total\$165.00	\$165.00	\$165.00	\$190.00
Out of state students' tuition 175.00	175.00	175.00	175.00
Total for out of state 190.00	190.00	190.00	225.00

The above fees are payable at the office of the Bursar, Lindsley Hall, 879 Madison Ave. At least one hundred and fifteen dollars is payable before enrollment is permitted and the remainder before February 1. No postponement or reduction of fees is permitted; notes are not acceptable under any circumstances. In default of the February payment, students are excluded from classes with loss of time credit until settlement is made. The officers of the College of Dentistry have no power to change these regulations.

To cover expenses incident to graduation each senior student will deposit with the Dean a fee of ten dollars before the first day of the final examinations. There are no special fees for the use of lockers, special examinations, private quizzes, etc., during the session.

Refunding of fees. Entrance upon study in this school is voluntary on the part of the student, and the school being ready to acquit itself of its obligation to prepare him in Dentistry, fees will not be refunded or transferred under any circumstances; but should sickness or other good cause occasion failure of the student to complete the session for which he has paid, he will be credited, in a succeeding session, with that portion of the fee for which he has not received instruction.

The right is reserved to remove a student at any time during the course, for cause. Any student so removed has no claim for tuition paid.

INSTRUMENTS AND BOOKS.

The books and instruments essential in the several classes have been carefully determined to meet the students' needs without being excessive; and as long and careful observation has shown that their attainment of skill is very closely related to their instrument equipment, this school demands that each student must supply himself with the sets indicated by the proper authority. It should be remembered in this con-

^{*}The annual fees of this College are in accordance with the regulations of the National Association of Dental Faculties.

^{**}The contingent deposit is intended to cover unnecessary destruction or loss of University property. Any unused portion is refunded at the end of the session. An additional fee of \$2.00 is charged for matriculation or enrollment after the days designated in the special calendar (page 3).

nection that the money expended for these brings not only the opportunity for progress, but they outlast the studenthood for years, and will pay for themselves many times in actual practice.

A list of the instruments necessary for the courses of instruction is handed the student on entrance, and he is required, before enrollment, to secure the corresponding articles, bearing the brands of accredited manufacturers. In the preparation of this list, as in other requirements, the Faculty has endeavored to minimize the cost to students just as far as is consistent with good workmanship. The cost of these instruments averages \$100, of books \$25, for each year.

Individual lockers for safekeeping of instruments are furnished without charge. All instruments must be kept clean and sterilized before being returned to lockers.

No student is permitted to act as the agent of any book or dental supply dealer.

STUDENT ORGANIZATION

The David Mahlon Cattell Society is an organization of the student body, to which all students are eligible for membership.

The Society meets bi-monthly and at these meetings the members engage in lively but friendly discussions of timely topics pertaining to their life work,

The great advantage to any man of the ability to speak clearly and forcefully cannot be doubted. To those who aim at leadership it is essential.

All College entertainments are given through this society, to which friends of the College and society members are invited.

GENERAL INFORMATION

Students on arriving in Memphis, provided they have not already made arrangements for board, should leave their baggage at the station and go immediately to the college. Obtain from the Registrar information as to desirable boarding places. Good board can be obtained in the vicinity of the college at from four dollars a week up, according to the facilities offered.

Take any car to corner of Main and Madison. When paying car fare ask for transfer ticket to the Peabody Avenue car. Get off Peabody car at corner of Marshall and Union, go to Rogers Hall, 718 Union Avenue. (Building in sight.)

For special announcement of the College of Dentistry or further information, address

D. M. CATTELL, Registrar, 718 Union Avenue, Memphis, Tenn.

THE CURRICULUM

SYNOPSIS OF THE CURRICULUM

FIRST YEAR—FRESHMAN

	Grand	First Semester		Second Seme		ester	
	Tolal Hours	Recit.	Lab.	Total	Recit.	Lab.	Total
English	96	48		48	48		48
Biology (Zoology)				[]			
Physics	96	[24]	24	48	24	24	48
Chemistry (inorganic); Metallurgy	224	· · · <u>·</u>					
Dental Anatomy (Drawing, 48)	192				16		96
Prothesis (Technic)		16	80	96	16	80	96
Mouth Hygiene	16				16		16

SECOND YEAR—SOPHOMORE

$ \cdot \cdot \cdot \cdot \cdot 16 \cdot \cdot \cdot 1$
48 96 144 96
$\ldots [\ldots [\ldots [\ldots [\ldots [\ldots [12$
16 80 96 16 80 9
16 80 96 16 80 9
$\ldots \ldots 32 \ldots \ldots 1$
16 32 48
[[] 16 $[[$ 1
4 11

THIRD YEAR—JUNIOR

Oral Hygiene	16:	
Bacteriology		
Pathology	128	[] 96
Materia Medica		48
Anaesthesia		48 16 16 32
Dental Pathology and Therapeutics		16 16 16
Orthodontia		16 16 16
Operative Dentistry (Technic)		96
Prosthesis (Technic)		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Crown and Bridge		
Pyorrhea		
Practice	100	404 400

FOURTH YEAR—SENIOR

Oral Hygiene	16	
Radiology	32 16 16	
Orthodontia		16
Operative Dentistry	32 16 16 16	16
Prosthetic Dentistry	32 16 16 16	16
Crown and Bridge		16
Dental Pathology and Therapeutics	32 16 16 16	16
Surgery, General and Oral	96 16 16 16	16
Jurisprudence	16 16 16	
Economics and Ethics	16	
Dental Pediatrics	16 16 16	
Nerve Pathology, in its relation to	10 10	
mouth disorders	5 5	5
		U
Pathology, Nose and Throat, relation to		5
dental deformities	5 5	10
Practice1	1024	

THE CURRICULUM IN DETAIL

ANATOMY

Professor A. H. WITTENBURG. Assistant, Professor Heyman.

- I. Gross Anatomy. Lectures, recitations, demonstrations and laboratory work in gross human anatomy with dissection of head, neck and trunk. Special emphasis is laid upon the study of the skull and digestive tract. At the beginning of each year each student is furnished half a disarticulated skeleton for use outside of the classroom.
- 2. General and Special Histology. The first half of the course is given to the study of the cell and the general body tissues, the last half to the study of the circulatory system, skeletal system, muscular system, the lymphatic organs, and a partial study of the nervous system and the digestive system. Especial attention is given to the study of the histology of the structures connected with the oral cavity. Each student is loaned a collection of prepared slides. A record of the laboratory work is made by drawings. Instruction in the technic of slide preparation is given.

Textbook: BAILEY.

ANESTHESIA AND EXODONTIA

Prof.

Anesthesia is taught both from the chair and by practical demonstrations.

Opportunity is afforded each student to witness the administration of all agencies which prevent or obtund pain, both general and local.

It shall be the purpose of this course to thoroughly familiarize each student with all anesthetics and their respective antidotes, that they may be able to take care of all cases that shall come to them in private practice.

The administration of Nitrous Oxid and Oxygen, Somnoform, and Ether will be demonstrated with up-to-date apparatus. Special attention will be given to local anesthesia, both "Nerve Blocking" and infiltration for operative as well as surgical work. This will be taught by demonstrations on wet specimens, and patients in the anesthetic clinic which is held twice weekly for extractions and surgical operations.

Exodontia will be taught in all its phases by lecture and demonstration, giving special attention to all classes of teeth malposed, unerupted or difficult of removal, using standard technic and instrumentation.

Lectures and Clinic in Anesthesia. Lectures and Clinic in Exodontia.

BACTERIOLOGY

Prof. WM. Krauss.

Instruction and practical exercises in preparation of culture media; inoculation, culture, methods of staining and morphological characteristics of bacteria, yeasts and molds, with particular attention to pathogenic bacteria of the mouth.

First semester of the third year.*

BIOLOGY

PROFESSOR O. W. HEYMAN.

The course consists of the study of general elementary zoology. The following type forms are studied: Several unicellular protozoa, Volvox, Hydra, Pennaria, Aurelia, Grantia, Planaria, Ascaris, Anodon, Lumbricus, Homarus, Acridium, Amphioxus, Mustelus, Necturus, Lepus. All type forms are carefully dissected or studied microscopically and a record of the work made by sketches and drawings. Lectures on the phyla and the relationships of the various groups accompany the laboratory and textbook work. Some preliminary histology and embryology is given as a part of the course.

- a. Lectures, 3 hours weekly, throughout the first year.
- b. Laboratory, 2 periods weekly, throughout the first year.

CHEMISTRY.

PROFESSOR P. T. NASH.

Course I.—First Year. The course in General Chemistry offered to Dental students is a descriptive and experimental study of the elements; the laws and theories of chemical change, and the most important and illustrative inorganic compounds. The laboratory work closely parallels the lectures. In the second semester considerable laboratory practice is required in metallurgical processes and reactions.

Lectures, Laboratory, Recitation.

†Course II. (a) Organic Chemistry. The classification, nomenclature and mode of reactions of the compounds of carbon. Two hours didactic and two laboratory periods weekly throughout the first semester of the second year.

Didactic, Laboratory.

(b) Physiological Chemistry. Given with special reference to the chemistry of the foodstuffs and the chemical processes of digestion. Accompanied by demonstrations and laboratory work, including testing of saliva and urine. One hour lecture weekly and one laboratory period semi-weekly; second semester.

Didactic and Laboratory, 128.

^{*}In the three-year curriculum, this course is given during the second year. †Not included in the three-year curriculum.

CROWN AND BRIDGE WORK

Professor J. A. Gardner. Assistant D. S. Gardner.

The instruction in this department is designed to impart a knowledge of all that pertains to crown and bridge work. A complete course of didactic instruction, supplemented by casts, drawings and stereopticon views.

A thorough course in the technic of crown and bridge work is given the Sophomore and Junior classes, and this includes the full technical demonstration of cast crowns and bridges. Both junior and senior classes have an abundance of practical experience in the clinic.

Textbook: Prothero, Goslee. References: Evans, Hovestadt. Sophomore, Juniors, Seniors.

DENTAL ANATOMY

Professor Cattell.
(See Operative Dentistry.)

DENTAL HISTOLOGY

(See General and Special Histology under Anatomy.)

DENTAL PATHOLOGY AND THERAPEUTICS

PROFESSOR C. J. WASHINGTON.

This course will have special reference to applied Pathology and Therapeutics, and the principle and practice of Dental medicine.

The same rational principles which underlie general medicine and surgery will be applied in Dental theory and practice. An effort will be made in the description and treatment of Dental diseases to reflect the progress and development that have occurred in this branch of science in recent years.

Lectures and recitations.

DENTAL PEDIATRICS

PROFESSOR D. S. GARDNER.

This subject will be taught by lectures, lantern views and demonstra-

The science of Dental Pediatrics is that which treats of the proper care of the mouths of young children, with a view to preventing mouth diseases and ailments of the teeth; the science of controlling children in the dental office and the methods employed to interest the mothers in the care of the mouths of babies, beginning at the time of birth.

The chair of Dental Pediatrics is a new departure in Dental Pathology and Therapeutics, and, so far, no textbook has been published. In lieu of a text, much literature can be found in the current literature at hand in the college library.

ECONOMICS

Realizing the necessity of teaching the student the business side of dentistry, we have established this course in economics. More can be accomplished by teaching the student how to get a living out of what he has learned than by teaching him to work without showing him how to find the opportunity to put his knowledge into profitable practice.

The lectures will cover practice building, methods of obtaining and retaining patients, business relations between dentists and patients, fees for dental services, keeping books of account, economy in the conduct of the office, and many points belonging under this head.

Lectures.

PROFESSIONAL ETHICS

Taught from each chair as circumstances permit.

Consists of a brief statement of the more important principles of morals, followed by an exposition of the special duties and moral obligations of professional men to their patients, toward their fellow practitioners, and toward the public, for upholding the honor and dignity of the profession. The more important differences between the profession and business or manufacturing pursuits will be explained with reference to the ethical standards that are right and appropriate in each.

Principal Guide Book: E. Noves.

ENGLISH

PROFESSOR J. E. D. MURDAUGH.

The first semester is chiefly occupied with a review of the fundamental principles of rhetoric and composition, with special emphasis upon the paragraph and the forms of written discourse. The second semester includes a study of the development of literature in the United States, with particular attention to the work of representative writers. Composition and parallel reading are required throughout the course.

Recitations, 3 hours weekly, throughout the first year.

HISTOLOGY AND EMBRYOLOGY (See Anatomy.)

DENTAL JURISPRUDENCE

PROFESSOR RAYMOND MANOGUE.

- 1. Regulation of the Practice of Dentistry.
 - (a) Power to regulate.
 - (b) Requirements.
- 2. Relation to Patrons.
 - (a) Nature of relation.
 - (b) Degree of skill required.

- 3. Liability for Negligence or Malpractice.
 - (a) Acts of Omission Constituting Negligence or Malpractice.
 - (b) To whom liable.
 - (c) Actions for Negligence or Malpractice.
- 4. Compensation.
- 5. Outline of Law of Contracts and Negotiable Paper.

Textbooks: Brothers, Noyes.

Lectures.

MATERIA MEDICA AND THERAPEUTICS

Professor J. F. Bigger.

This course covers the Junior and Senior years. The number of hours in each year is distributed as tabulated below.

In the Junior year we take up the definitions, classifications, origin, physical properties, physiological action, and therapeutic effect and use of those medicines, drugs and remedies that are used in the practice of dentistry. During the second semester, when this class is admitted to the clinic, specific instructions with demonstrations are given in the practical use of those medicines which are furnished students by the College. Any difficult cases that come under the observation of either the student in the clinic or the professors in the clinic or private practice are discussed in class in the most exhaustive manner possible for the benefit of all concerned. Throughout the course special stress is laid upon those medicines that are most universally used in practice.

In the Senior year prescription writing is taught, which includes a review of the tables of measurements, special attention being given to the metric system. This course is very practical inasmuch as only those methods and remedies are brought before the class that are used in every-day practice. An effort is made here to qualify the student to be equipped to care for whatever emergency that may present itself in practice. Considerable time is spent in discussing the various forms and numbers of proprietary preparations in use in dental practice.

The method of teaching in both courses is the same, namely, lectures, quizzes and examinations.

Textbook: Buckley. Reference book: Prinz, Long.

MOUTH HYGIENE, PROPHYLAXIS AND PYORRHOEA

PROFESSOR J. D. TOWNER.

This course deals with the prevention of disease of those parts immediately connected with the oral cavity.

In certain cases the health of one organ is so dependent upon the manner in which all other organs of the body perform their functions, that a course of general hygiene with special reference to its influence upon the oral cavity will be given.

Theories of proven value will have their practical application in order that the student may have fixed in mind definite procedures best suited to the accomplishment of desired results.

The surgical technic of prophylaxis will be made of special importance.

OPERATIVE DENTISTRY, INCLUDING DENAL ANATOMY AND OPERATIVE TECHNIC

PROFESSOR D. M. CATTELL.
DOCTOR ARMSTRONG, Assistant and Chief Demonstrator.

The study of operative procedures should begin early in the college course. Dental anatomy should be well understood before shaping of cavities begin.

Dental Anatomy is studied in the Freshman year and the technic of Operative Dentistry is begun in the Sophomore year and carried through to the second semester of the Junior year, when students are expected to enter the Clinical Department and continue clinical practice until graduation.

Dental Anatomy includes the teeth and immediate hard and soft structures of the mouth. Developmental lines, fosse, grooves and ridges are studied, also the pulp chamber and canals, to get an idea of the usual or average forms to be found in normally developed teeth. This is supplemented with drawings of tooth surfaces and carvings of tooth forms from celluloid, bone or ivory.

Lectures, Recitations and Laboratory192 hrs.

Instrument Technology follows Dental Anatomy and comes in the second year. A close study of instruments, their classification, their general forms and uses. Cutting instruments are grouped, measured and formulated. To assist in the study many excavators and other instruments are made by members of the class, thus gaining accuracy of instrument form and finger craft. So, when at the operating chair, there will be no hesitancy in selecting the right instrument to do certain work. These "home-made" instruments are tempered, polished and sharpened by whetting and used in dummy work.

After the course in Instrumentology the study of cavity preparation begins. Different classes of cavities are cut in celluloid or bone bars and filled with tin, gold and amalgam.

Lectures, Recitations and Laboratory.

In the first semester of the *Junior* year the cutting, shaping and filling cavities is continued in typodonts. Here also is taught the fundamentals of Pathology and treatment of pulpless teeth and filling of pulp canals. At the beginning of the second semester of the Junior year students are expected to prepare and equip themselves to enter the practical department and do their share in the Operative Clinic.

Lectures and Laboratory. Clinic.

In the Senior year the lectures take up all the principles of theory and practice of Operative Dentistry, while much more time is given to daily practice.

Lectures. Clinic.

Textbooks: Black's Dental Anatomy, Black's Operative Dentistry. Reference Books: Johnson, Davis, McGhee, Kirk, Marshall.

ORTHODONTIA

PROFESSOR W. E. LUNDY.

In this course we will emphasize its importance and necessity. The importance of the temporary teeth in the prevention of malocclusion and its correction. The time saved by treating early and gaining nature's assistance. The Jackson system of removable appliances will be taught and its advantages and disadvantages pointed out, along with those of Angle and the other fixed varieties, which will be fully entered into.

Lectures, Recitations and Laboratory.

PATHOLOGY

PROFESSOR J. A. McIntosh.

General and special pathology; a study of the fundamental pathological processes, such as inflammation, circulatory disturbances, degeneration, etc., and of the lesions of individual organs.

Second semester of the third year.*

PHYSICS

PROFESSOR ----

A general course intended to give the student an introduction to the fundamental ideas involved in all changes occurring in matter and energy, and to familiarize him with the methods employed in making measurements and classifying phenomena. In the laboratory, practice is given in measurements of mass and length, determination of acceleration and elastic constants, density determination, measurements of indices of refraction and wave lengths, electromotive force, thermometry, etc.

Didactic and laboratory throughout the first year.

PHYSIOLOGY

Professor J. H. Collins.

First Semester.—Physiology of Circulatory, Respiratory and Nervous Systems.

Second Semester.—Physiology of Special Senses, Digestion, Absorption, Muscle System and Animal Heat.

^{*}In the three-year curriculum, this course is given during the second year.

The course in Physiology is given in four hours a week throughout the second year. The work is divided into lectures, demonstrations and recitations, two periods a week of one hour each and one laboratory period of two hours.

The lectures, demonstrations and laboratory work are closely correlated, one being used to amplify and explain the other.

This work is given in the laboratories of Physiology and Pharmacology of the Medical Department. The course covers the entire subject; but special attention is paid to the physiology of the digestive, respiratory systems and the nervous system in relation to the head and neck.

The anatomy and histology of the organs are reviewed briefly and points of physiologic interest are emphasized so as to bring out the functions of the organs. Chemical and physical facts are reviewed and their application to the functions studied are brought out. A short account of well-known clinical conditions is given, wherever it is possible, in order to impress the value of a thorough understanding of the physiologic process.

The laboratory work is done in groups of two for the most part. In animal work two or three of the small groups are combined. Each student must keep a duplicate notebook in which each experiment is written. The description written must contain the purpose, instruments, results, comments, and a scheduled record of results.

PROTHESIS

Professor E. W. Taylor. D. S. Gardner, Assistant.

This department embraces a systematic graded course of theoretic and practical instruction, consisting of lectures, lantern views and laboratory work, and with practical experience in the clinic.

In the technic course, Freshmen students are taught, by means of lectures and demonstrations, the characteristics and uses of materials and appliances, methods employed in taking impression of the mouth, and making casts.

Sophomores review the above and take up dies and counter-dies, swaging metal bases, the selection and arrangement of teeth, both on metal and vegetable bases, packing, vulcanizing, finishing and polishing the different types of dentures.

Juniors are taught the minute details, beginning with receiving and handling of patient, the preparation of the mouth, materials best suited for the conditions, how to make diagnosis of the different types, select and arrange teeth accordingly; a thorough study of the muscles of mastication, force of bite, movement of lower jaw, etc. Technical work embraces constructing full metal and partial metal base dentures, with teeth attached by solder and by vulcanite, construction and application of clasps and other forms of anchorage.

Seniors are given a critical review and take up cast aluminum, celluloid and continuous gum dentures, making splints for retaining re-

duced fractures, making obturators, as well as applying all methods, in a practical way, for patients in the clinic. A "deposit" piece will be required.

Textbook: PROTHRO. Reference: Turner, Inglis.

RADIOGRAPHY

Professor ———

The value of Radiography in diagnosis is apparent.

In cases of delayed eruction of the teeth, impacted teeth, fractures of the jaw, necrosis of the jaw, improper root fillings, perforated roots and in many other conditions, the radiograph will be of inestimable value.

Students will be instructed in the use of the X-ray. The application of the high frequency current as an adjunct in dental therapeutics will be demonstrated.

SURGERY, GENERAL AND ORAL

PROFESSOR M. GOLTMAN.

General Surgery is planned to acquaint the dental student with the science of surgery in theory and practice. The lectures are arranged so that the simplest subjects are first considered and then the more complicated subjects are taken up. Fundamental surgical pathology constitutes the basis of the course. Throughout the time the underlying principles of surgery are emphasized.

Special attention is given to the subjects of injuries, deformities, inflammation and new growths, as we'll as that of immunity.

Lectures.

Oral Surgery consists of the surgical treatment of the facial defects and blemishes, the surgical treatment of alveolar abscesses, the treatment of caries and necrosis of bone, fractures of the jaw, including the various devices and methods of fixing and retaining fractured and displaced bones in position, cleft palate and harelip. The treatment of diseases of the antrum of Highmore, the diagnosis and removal of tumors occurring about the mouth and face, the exsection of nerves in the surgical treatment of persistent neuralgia, etc.

The whole clinical course is an exemplification of aseptic and antiseptic surgery, with special emphasis laid upon the surgical pathology of tissue and diseased processes, in its adaptation to and uses in the various phases of the surgical treatment of both accidental and deliberate operative cases.

Textbook: Brophy. References: Blair, Marshall, Gilmer, Brown. Lectures. Clinic.

SPECIAL LECTURES

Dental History
Nerve Pathology in Relation to Mouth Disorders, five lectures
Dr. Buford
Pathology of the Nose and Throat in Relation to Dental Deformities,
five lecturesDr. McKinney

Each Professor whose chair covers a practical branch is expected to spend at least one period a week in the operatory demonstrating in the clinic according to his teaching at the chair.

PRACTICE IN THE CLINIC

Juniors in second semester will have 486 hrs.
Seniors covering both semesters will have 1,040 hrs.

CATALOGUE OF STUDENTS, 1917-1918

FRESHMEN

PRESTIMEN
Brown, Thomas MadisonArkansas
COOKE, ROBERT SAMUELArkansas
HALL, MARCUS DELAFAYETTETennessee
Holtzclaw, George Warren
KABAKOFF, LILLIANTennessee
McCormick, Ralph NewtonTennessee
PATTON, BENJAMIN CORNELIUSTennessee
Underwood, Harry MasonTennessee
WILLIAMS, CONNIE M
IUNIORS
Baker, H. ATennessee
BLACK, W. HArkansas
Busby, AllisonTennessee
CLEVELAND, WEBSTER
Crabtree, S. TTennessee
Dunn, Edwin
HARRELL, W. JTennessee
Hunt, W. HArkansas
HARRIS, C. P
Lewis, J. A
Matthews, O. K Tennessee
Pearce, M. B Mississippi
Poindexter, J. B
ROBERTS, J. C
Ryan, W. C
Shackleford, C. C. Mississippi
Snow, R. C
Stephens, J. E
VINSENT, R. STennessee
Weber, A. ATennessee
Wilson, J. H
GRADUATES, 1918
Armstrong, Robert Brince
Battaglia, Pasqual Joseph
Brown, Francis Nathaniel, Jr
Francis, Elmer Ellsworth, Jr
HALL, FRANK JOSHUA Englewood, Tenn.
HUFSTEDLER, PINKNEY ALEXANDERLinden, Tenn.
HUFSTEDLER, LEONARD FORRESTLinden, Tenn.
JONES, WILLIAM JOSHUAMilan, Tenn.
Jenes, Journal, 1 Cilli.

26 College of Dentistry				
MIDDLECOFF, HERMAN FARRIS				
GRADUATES, 1917				
BLACK, DEWITT TALMAGE Monticello, Ark. BROOKS, RUTH PEYTON Memphis, Tenn. BURNS, JOSEPH JEFFERSON Ripley, Miss. GROVER, JAY LAWRENCE Batesville, Ark. HOUSTON, JAMES HOLLIE RUSK, TEXAS NASH, CHARLES HURLEY Memphis, Tenn. SMITH, CECIL CLARENCE Violet Hill, Ark.				
STREET, RUFUS WRIGHT				
GRADUATES, 1916				
CALLENDAR, IRA GROVER				

CALLENDAR, IRA GROVER	Meadville, Miss.
Francis, Walter Scott	Memphis, Tenn.
HARPER, ALBERT TURNER	
JACKSON, JOSEPH BROWN	Ft. Worth, Tex.
LADD, CLIFTON	Judsonia, Ark.
MATTICE, HAROLD WILLIAM	Memphis, Tenn.
McClellan, Minnie Enyeart	Little Rock, Ark.
MIELKE, ANTHONY	Memphis, Tenn.
Ogden, John Jones	Memphis, Tenn.
SCHARFF, EARL ULLMAN	Memphis, Tenn.
SOLLARS, WILLIAM R	Keyser, W. Va.
Stehley, Roszel Avis	Keyser, W. Va.
TAVEL, RICHARD BULLINGTON	Memphis, Tenn.
THOMAS, FRED WILLIAM	El Dorado, Ark.
WALTON, OWEN KETHLLOR	Vardaman, Miss.
WILKES, CHARLES OPHIR	Memphis, Tenn.
Winfrey, Hugh William	Memphis, Tenn.

GRADUATES, 1915

Bigger, Archie Johnson, Jr	Finchburg,	Ala.
BIGGER, JAMES FRANKLIN	. Finchburg,	Ala.
Busby, Lawrence Paul, Jr	. Memphis, '	Tenn.
Dickson, Southall, Jr	Bolivar, '	Tenn.
FIELDS, VIRGIL MALCOLM	Milan,	Tenn
GIL, WILLIAM WILSHIRE	Judsonia,	Ark.
Gosnell, Munsey Ward	.Blytheville,	Ark.
Hudson, Adin W	Middleton,	Tenn.

Meador, Thomas Jefferson
GRADUATES, 1914
CARTER, WILLIAM PRESTON Pine Bluff, Ark. DAVIS, TOY BROADDUS Rose Bud, Ark. DENNIS, NOAH LLOYD Newport, Tenn. DILLARD, CLARENCE ELMORE Simsboro, La. GREEN, ALBERT EDWARD Little Rock, Ark. OGDEN, TERRELL RHEA Ruston, La. PITTMAN, LUTHER HILL* Memphis, Tenn. RUBLE, VINET ALLEN Jasper, Ark. TERRAL, BRIDGES Dodson, La. WEAVER, ORRIN KLIPART Rara Avis, Miss.
GRADUATES, 1913
CHESTNUT, JAMES ARTHUR DICKASON, GEORGE MARTIN FIELDS, ERIC ODELL GALLIMORE, BONNIE CLYDE MCKENZIE, Tenn. JOPLING, PORTER WALKER MARTIN, ELBY DEXTER MEDINILLA, JOSE ELEODORO MORRIS, JOSEPH FRANCIS NASHVIlle, Tenn. PRICE, LITTLE BERRY Imboden, Ark. SIMPSON, ELBERT FLEMING SOUBY, VICTOR BELL TUCKER, LLOYD EARL TERRELL, EANFORD JONES DEAN Minneapolis, Minn. Memphis, Tenn. McKenzie, Tenn. Clay, Ky. Mashville, Tenn. Price, Little Berry Imboden, Ark. Simpson, Elbert Fleming Cameron, Miss. Souby, Victor Bell Del Rio, Tex. Tucker, Lloyd Earl Ranger, Tex.
GRADUATING CLASS, 1912
Balthrop, Herbert Preston Memphis, Tenn. Davis, James Elbert Jefferson City, Tenn. Freeland, George Isaac Springfield, Tenn. Gordon, Joseph Ernest LaFayette, Va. LaW, Baxter Wilson Westmoreland, Tenn. Maxey, Henry Clark Anson, Tex. Montsinger, Vernon William High Point, N. C. Odil, Guy Blackburn Springhill, Tenn. Pate, Clarence Madison Pittsboro, Miss. Roberts, William Thomas Tracy City, Tenn.

^{*}Deceased.





